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## Conceptual Design of Data Warehouses from E/R Schema

[\[PDF\] from csu.edu](#)

M Golfarelli, D Maio ... - hness, 1998 - computer.org

... DWs based on a business model of the enterprise which is actually a relational **database scheme**. ...

A **bitmap** index for attribute a is a matrix of bits with one column for ... enterprise; a dimension

determines the granularity adopted for representing facts; a **hierarchy** determines how ...

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## Defining a schema for a database representing a model of a computer network

JF Hammer, S Janich, BD Sevy, DD Tran... - US Patent ..., 1999 - Google Patents

... The display shows an association of the devices with the tasks performable on the devices using

**bitmap** representations of the ... 2B illustrates a display consisting of a tree **hierarchy** of devices. ...

7 is an object relationship model (ORM) diagram of a physical network model **schema**. ...

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## Scalable packet classification

[\[PDF\] from csu.edu](#)

F Baboescu, G Varghese - Proceedings of the 2001 conference on ..., 2001 - portal.acm.org

... is still linear in the size of the rule set, in practice searching through a **bitmap** is fast ...  $p + A - 1$  only

means that some bit in those positions (eg,  $p+j < A$ ) has a **bit set**. ... Aggregated Search We start

by describing more precisely the basic algorithm for a two level **hierarchy** (only one ...

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## A methodological framework for data warehouse design

[\[PDF\] from csu.edu](#)

M Golfarelli... - Proceedings of the 1st ACM international ..., 1998 - portal.acm.org

...  $DT-d(kh,a_1, \dots, a_n, a'_1, \dots, a'_n)$  where the **hierarchy** on di includes the ... design concerns the optimal

selection of indices, which is based on both the logical **scheme** and the ... traditional value-list indices

such as B-trees, data warehousing systems usually support **bitmap** index, join ...

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## Data structure using a tree bitmap and method for rapid classification of data in a database

WN Eatherton... - US Patent 6,560,610, 2003 - Google Patents

... (ic) Patent No.: US 6,560,610 B1 (45) Date of Patent: May 6, 2003 (54) DATA STRUCTURE USING

A TREE **BITMAP** AND METHOD FOR RAPID CLASSIFICATION OF DATA IN A **DATABASE** (75)

Inventors: William N. Eatherton, Sunnyvale, CA (US); Zubin Dittia, Sunnyvale, CA ...

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### [\[PDF\] Multi-dimensional database allocation for parallel data warehouses](#)

[\[PDF\] from psu.edu](#)

T Stöhr, H Märtens... - ... of the 26th International Conference on ..., 2000 - Citeseer

... Specifically, [36] suggested an encoding **scheme** that represents individual **hierarchy** elements of star to support selections on the inner dimension ... For our study, we employ encoded **bitmap** join indices on the higher-cardinality dimensions PRODUCT and CUSTOMER. ...

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### [\[book\] A schema partition for multimedia database management systems](#)

[\[PDF\] from psu.edu](#)

V Turau... - 1993 - Citeseer

... Type Slider type : String; cursor : **Bitmap**; window : Device; getPos() : Integer; markPos(); changedPos() : Bool; ... Figure 6 depicts a type **hierarchy** for devices. The intention is not to specify the ultimate device **schema**, rather it is supposed to illustrate the general idea. ...

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### [HOBi: Hierarchically organized bitmap index for indexing dimensional data](#)

J Chmiel, T Morzy... - Data Warehousing and Knowledge ..., 2009 - Springer

... If the bit is set to '1' then the corresponding index key leaf contains at least one **bit set** to '1'. The i-th index key leaf is represented by j-th position in the k-th ... OR bi+1 q. This procedure repeats recursively up to the root of the **hierarchy**. ... HOBi: Hierarchically Organized **Bitmap** Index ...

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### [\[PDF\] Storage estimation for multidimensional aggregates in the presence of hierarchies](#)

[\[PDF\] from psu.edu](#)

A Shukla, PM Deshpande, J Naughton... - ... ON VERY LARGE ..., 1996 - Citeseer

... The **bitmap** update strategy is discussed in section 2.3.1. The function **bitset**(C, BM, b) sets the ... of hierarchies C, and the corresponding tuple generated are shown in Table 3. The **bitmap** associated with ... Dimension **Hierarchy** 1 2 0 1000 20 { 1 100 4 { 2 2000 50 { 3 10,000 500 10 ...

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### [The object management system of PCTE as a software engineering database management system](#)

F Gallo, R Minot... - ACM Sigplan notices, 1987 - portal.acm.org

... The host structure is designed to run on powerful, **bitmap** screen terminals connected to a local network. ... The root of the **hierarchy** is a predefined type. ... The OMS supports incremental **schema** modification that can take place in parallel with **database** exploitation so that no ...

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